

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. (Previously presented) An isolated polypeptide that suppresses neuronal death associated with Alzheimer's disease having an amino acid sequence of Formula (I):

Pro-X<sub>N1</sub>-(Cys/bXaa)-(Leu/Arg)-X<sub>N2</sub>-Leu-Thr-(Gly/Ser)-X<sub>N3</sub>-Pro (I) (SEQ ID NO: 63)

wherein "Cys/bXaa" indicates Cys or a basic amino acid; "(Leu/Arg)" indicates Leu or Arg; "(Gly/Ser)" indicates Gly or Ser; and X<sub>N1</sub>, X<sub>N2</sub>, and X<sub>N3</sub> independently indicate arbitrary amino acid sequences not more than 10 residues in length, respectively.

2. (Currently Amended) An isolated polypeptide selected from the group consisting of:

(a) a polypeptide having an amino acid sequence selected from the group consisting of SEQ ID NOs: 5 to 8, 10, 12, 13, 21 to 24, 26 to 29, 32, 33, 37 to 40, 46, 48, 54, and 60; and

(b) a polypeptide that suppresses neuronal death associated with Alzheimer's disease having an amino acid sequence selected from the group consisting of SEQ ID NOs: 5 to 8, 10, 12, 13, 21 to 24, 26 to 29, 32, 33, 37 to 40, 46, 48, 54, and 60, wherein ~~one to five amino acids have~~ one amino acid has been substituted, deleted, inserted, and/or added; ~~and~~

~~(c) a polypeptide comprising an amino acid sequence with one or more conservative substitutions of the amino acid sequence selected from the group consisting of SEQ~~

~~ID NOs: 5 to 8, 10, 12, 13, 21 to 24, 26 to 29, 32, 33, 37 to 40, 46, 48, 54, and 60, wherein the polypeptide suppresses neuronal death associated with Alzheimer's disease.~~

3. (Canceled)

4. (Previously presented) A fusion polypeptide comprising the polypeptide of any of claims 1 to 2 fused with one or more other polypeptides.

5. (Currently Amended) An isolated DNA encoding a polypeptide selected from the group consisting of:

(a) a polypeptide that suppresses neuronal death associated with Alzheimer's disease having the amino acid sequence of Formula (I):

Pro-X<sub>N1</sub>-(Cys/bXaa)-(Leu/Arg)-X<sub>N2</sub>-Leu-Thr-(Gly/Ser)-X<sub>N3</sub>-Pro (I) (SEQ ID NO: 63)

wherein "Cys/bXaa" indicates Cys or a basic amino acid; "(Leu/Arg)" indicates Leu or Arg; "(Gly/Ser)" indicates Gly or Ser; and X<sub>N1</sub>, X<sub>N2</sub>, and X<sub>N3</sub> independently indicate arbitrary amino acid sequences not more than 10 residues in length, respectively;

(b) a polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NOs: 5 to 8, 10, 12, 13, 21 to 24, 26 to 29, 32, 33, 37 to 40, 46, 48, 54, and 60 in which ~~one to five amino acids have~~ one amino acid has been substituted, deleted, inserted, and/or added, wherein the polypeptide suppresses neuronal death associated with Alzheimer's disease;

~~(c) a polypeptide comprising an amino acid sequence with one or more conservative substitutions of the amino acid sequence selected from the group consisting of SEQ ID NOs: 5 to 8, 10, 12, 13, 21 to 24, 26 to 29, 32, 33, 37 to 40, 46, 48, 54, and 60, wherein the polypeptide suppresses neuronal death associated with Alzheimer's disease;~~

(~~[[d]]~~ c) a polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NOs: 5 to 8, 10, 12, 13, 21 to 24, 26 to 29, 32, 33, 37 to 40, 46, 48, 54, and 60; and

(~~[[e]]~~-d) a fusion polypeptide comprising the polypeptide of (a) or (~~[[d]]~~c) fused with one or more other polypeptides;

wherein the DNA ~~does not comprise the sequence~~ comprises a mutant sequence of SEQ ID NO:4.

6. (Currently Amended) A vector into which a DNA encoding a polypeptide of any one of (a) to (c) is inserted:

(a) a polypeptide that suppresses neuronal death associated with Alzheimer's disease having the amino acid sequence of Formula (I):

Pro-X<sub>N1</sub>-(Cys/bXaa)-(Leu/Arg)-X<sub>N2</sub>-Leu-Thr-(Gly/Ser)-X<sub>N3</sub>-Pro (I) (SEQ ID NO: 63)

wherein "Cys/bXaa" indicates Cys or a basic amino acid; "(Leu/Arg)" indicates Leu or Arg; "(Gly/Ser)" indicates Gly or Ser; and X<sub>N1</sub>, X<sub>N2</sub>, and X<sub>N3</sub> independently indicate arbitrary amino acid sequences not more than 10 residues in length, respectively;

(b) a polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NOs: 5 to 8, 10, 12, 13, 21 to 24, 26 to 29, 32, 33, 37 to 40, 46, 48, 54, and 60 in which ~~one to five amino acids have~~ one amino acid has been substituted, deleted, inserted, and/or added, wherein the polypeptide suppresses neuronal death associated with Alzheimer's disease;

~~(c) a polypeptide comprising an amino acid sequence with one or more conservative substitutions of the amino acid sequence selected from the group consisting of SEQ ID NOs: 5 to 8, 10, 12, 13, 21 to 24, 26 to 29, 32, 33, 37 to 40, 46, 48, 54, and 60, wherein the polypeptide suppresses neuronal death associated with Alzheimer's disease;~~

(~~[[d]]~~ c) a polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NOs: 5 to 8, 10, 12, 13, 21 to 24, 26 to 29, 32, 33, 37 to 40, 46, 48, 54, and 60; and

(~~[[e]]~~ d) a fusion polypeptide comprising the polypeptide of (a) or (~~[[d]]~~ b) fused with one or more other polypeptides.

7. (Original) A host cell retaining the vector of claim 6.

8. (Previously presented) A method for producing the polypeptide of any one of claims 1 to 2 or a fusion polypeptide comprising the polypeptide of any one of claims 1 to 2, comprising:

culturing a host cell retaining a vector into which a DNA encoding the polypeptide of any one of claims 1 to 2, or a fusion polypeptide comprising the polypeptide of any one of claims 1 to 2 fused with one or more other polypeptides, is inserted; and

recovering an expressed polypeptide from the host cell or culture supernatant thereof.

9-12. (Canceled)

13. (Currently Amended) A pharmaceutical composition comprising the polypeptide of any one of claims 1 to 2 ~~or a vector into which a DNA encoding the polypeptide is inserted.~~

14. (Canceled)

15. (Currently Amended) The pharmaceutical composition of claim 13, comprising an amount of the polypeptide ~~or the vector~~ effective to prevent or treat diseases that are accompanied by neurodegeneration.

16. (Currently Amended) The pharmaceutical composition of claim 13, comprising an amount of the polypeptide ~~or the vector~~ effective to prevent or treat Alzheimer's disease.

17-19 (Canceled)

20. (Currently Amended) The polypeptide of claim 1, wherein X<sub>1</sub> is an amino acid sequence consisting of 3 to 5 arbitrary amino acids, X<sub>2</sub> is an amino acid sequence consisting of 1 to 3 arbitrary amino acids, and X<sub>3</sub> is an amino acid sequence consisting of 3 to 5 arbitrary amino acids (SEQ ID NO: 100). ~~the polypeptide comprises an amino acid sequence of Formula (IV):~~

~~Pro-X<sub>1</sub>-(Cys/bXaa)-(Leu/Arg)-X<sub>2</sub>-Leu-Thr-(Gly/Ser)-X<sub>3</sub>-Pro (IV) (SEQ ID NO: 100), wherein "Cys/bXaa" indicates Cys or a basic amino acid; "(Leu/Arg)" indicates Leu or Arg; "(Gly/Ser)" indicates Gly or Ser; and X<sub>1</sub>, X<sub>2</sub>, and X<sub>3</sub> independently indicate arbitrary amino acid sequences consisting of 3 to 5, 1 to 3, and 3 to 5 arbitrary amino acids, respectively.~~

21. (Previously presented) The polypeptide of claim 1, wherein the polypeptide comprises an amino acid sequence of SEQ ID NO: 101.

22. (Previously presented) The polypeptide of claim 1, wherein the polypeptide comprises an amino acid sequence of SEQ ID NO: 102.

23-26 (Canceled)

27. (Previously presented) The polypeptide of claim 2, wherein the polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NOs: 5 to 8, 10, 12, 13, 21 to 24, 26 to 29, 32, 33, 37 to 40, 46, 48, 54, and 60.

28. (Currently Amended) The DNA of claim 5, wherein X<sub>1</sub> is an amino acid sequence consisting of 3 to 5 arbitrary amino acids, X<sub>2</sub> is an amino acid sequence consisting of 1 to 3 arbitrary amino acids, and X<sub>3</sub> is an amino acid sequence consisting of 3 to 5 arbitrary

amino acids (SEQ ID NO: 100). ~~the DNA encodes a polypeptide comprising an amino acid sequence of Formula (IV):~~

~~Pro X<sub>n1</sub>-(Cys/bXaa)-(Leu/Arg)-X<sub>n2</sub>-Leu-Thr-(Gly/Ser)-X<sub>n3</sub>-Pro (IV) (SEQ ID NO: 100)~~

~~wherein "Cys/bXaa" indicates Cys or a basic amino acid; "(Leu/Arg)" indicates Leu or Arg; "(Gly/Ser)" indicates Gly or Ser; and X<sub>n1</sub>, X<sub>n2</sub>, and X<sub>n3</sub> independently indicate arbitrary amino acid sequences consisting of 3 to 5, 1 to 3, and 3 to 5 arbitrary amino acids, respectively, wherein the DNA does not comprise the nucleotide sequence of SEQ ID NO:4.~~

29. (Currently Amended) The DNA of claim 5, wherein the DNA encodes a polypeptide comprising an amino acid sequence of SEQ ID NO: 101, ~~but does not comprise the nucleotide sequence of SEQ ID NO:4.~~

30. (Currently Amended) The DNA of claim 5, wherein the DNA encodes a polypeptide comprising an amino acid sequence of SEQ ID NO: 102 ~~but does not comprise the nucleotide sequence of SEQ ID NO:4.~~

31-34 (Canceled)

35. (Previously presented) The DNA of claim 5, wherein the DNA encodes a polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NOs: 6 to 8, 10, 24, 26 to 29, 32, 33, 37 to 40, 46, 48, 54, and 60.

36. (Currently Amended) The vector of claim 6, wherein X<sub>n1</sub> is an amino acid sequence consisting of 3 to 5 arbitrary amino acids, X<sub>n2</sub> is an amino acid sequence consisting of 1 to 3 arbitrary amino acids, and X<sub>n3</sub> is an amino acid sequence consisting of 3 to 5 arbitrary amino acids (SEQ ID NO: 100). ~~the DNA encodes a polypeptide comprising an amino acid sequence of Formula (IV):~~

~~Pro X<sub>n1</sub>-(Cys/bXaa)-(Leu/Arg)-X<sub>n2</sub>-Leu-Thr-(Gly/Ser)-X<sub>n3</sub>-Pro (IV) (SEQ ID NO: 100)~~

~~wherein "Cys/bXaa" indicates Cys or a basic amino acid; "(Leu/Arg)" indicates Leu or Arg; "(Gly/Ser)" indicates Gly or Ser; and X<sub>n1</sub>, X<sub>n2</sub>, and X<sub>n3</sub> independently indicate~~

~~arbitrary amino acid sequences consisting of 3 to 5, 1 to 3, and 3 to 5 arbitrary amino acids, respectively.~~

37. (Previously presented) The vector of claim 6, wherein the DNA encodes a polypeptide comprising an amino acid sequence of SEQ ID NO: 101.

38. (Previously presented) The vector of claim 6, wherein the DNA encodes a polypeptide comprising an amino acid sequence of SEQ ID NO: 102.

39-42 (Cancelled)

43. (Previously presented) The vector of claim 6, wherein the DNA encodes a polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NOs: 5 to 8, 10, 12, 13, 21 to 24, 26 to 29, 32, 33, 37 to 40, 46, 48, 54, and 60.

44. (Cancelled)

45 (Currently Amended) A composition comprising a polypeptide of claim 2, and ~~a pharmaceutically acceptable carrier.~~